

09899702

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 23 Nov 2002 VOL 137 ISS 22  
FILE LAST UPDATED: 22 Nov 2002 (20021122/ED)

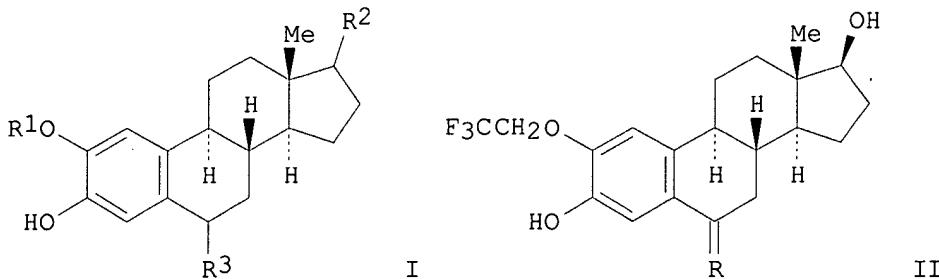
This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

```
=> s US 6136992/pn
L1      1 US 6136992/PN
          (US6136992/PN)
```

```
=> d 11 abs hitstr ibib
```

```
L1  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
GI
```



AB 2-Alkoxyestradiols I (R1 = lower alkyl or substituted alkyl group; R2 = OH, NH2; R3 = O, =NNH2, =NNHSO2-(lower or substituted alkyl), =NNHSO2Ph (or substituted Ph), =NOH, =NOMe where R3 is not =O if R1 is Me and R2 is OH) were prep'd. and have improved activity against lung, colon, CNS, melanoma, ovarian, renal, prostate and breast tumor cell lines and further decrease their affinity for the estrogen receptor. Thus II (R = NOH) was prep'd. from II (R = O) and hydroxylamine HCl in 65% yield having an IC50 of 0.5 .mu.M for inhibition of tubulin polymn. and an estrogen receptor binding affinity of 0.007 thereby proving to be more potent than 2-ethoxyestradiol.

ACCESSION NUMBER: 2000:754525 CAPLUS  
DOCUMENT NUMBER: 133:322044  
TITLE: Preparation of 2-alkoxyestradiols as antitumor agents

09899702

INVENTOR(S): Ram, Siya; Varma, Ravi; Sachdeva, Yesh  
PATENT ASSIGNEE(S): United States Dept. of Health and Human Services, USA;  
Pharm-Eco Laboratories, Inc.  
SOURCE: U.S., 15 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6136992	A	20001024	US 1998-41212	19980312 <--
PRIORITY APPLN. INFO.:			US 1997-40540P	P 19970313
OTHER SOURCE(S):	MARPAT 133:322044			
REFERENCE COUNT:	18	THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

=>